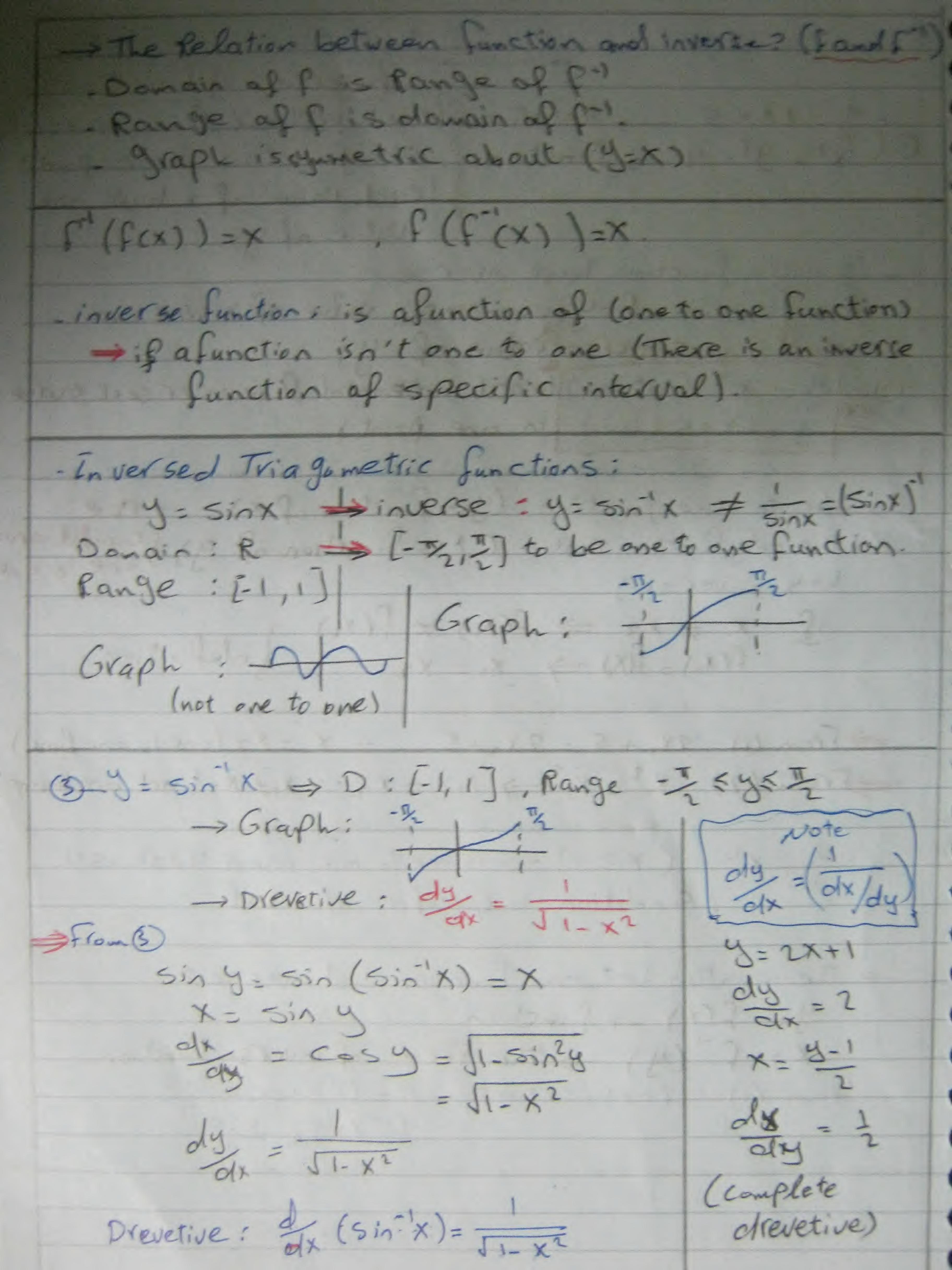
Englishes we have the same g 1 = 2x + 5 __ Relation | leach vertical line intersect O(x2+y2=4-> function- with function in one point) leach value of x have one Value af 40 -15 every function have inverse? Xis function of y (when each value of x how one and it is converse value of 4). @ y = x2 (not inv.) (each horizontal line intersect surve = | y = 2x + 5 (inv.). in one point). - one to one function. (yis function of x) The (the only function that (xis-function of y) Jeandition has inverse). if $X, \neq x_2 \Rightarrow f(x_1) \neq f(x_1)$ $f(x_1) = f(x_2) \Rightarrow x_1 = x_2$ 1 definition. => From (1) 2x, +5 = 2x2+5 - x, = x2 (one to one func) -From (2) X,2 = X2 -> X, = + X2 : X, = X2 (not one to one (XZO) => is one to one when there is a Condition in specific interval.

The relation between function and inverse? $y = f(x) \rightarrow function$ $x = f''(y) \rightarrow The Form of inverse function$ from (1) f(x) = 2x + 5 $x = f''(y) = \frac{y - 5}{2}$ $f''(x) = \frac{y - 5}{2}$





ex 3555 (cosx).

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